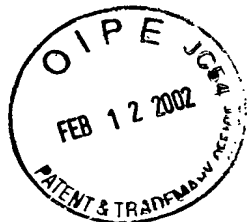


DOCKET NO.: ISIS-4847

Receipt
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Manoharan

Serial No.: 09/965,551

Group Art Unit: 1635

Filing Date: September 27, 2001

Examiner: Not yet assigned

For: Carbohydrate or 2' -Modified Oligonucleotides Having Alternating Internucleoside Linkages

DATE OF DEPOSIT: 1-21-02

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Christine A. Goddard
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REGISTRATION NO.: 46,731

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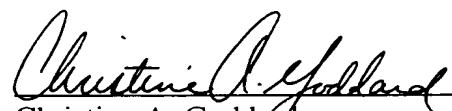
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/965,551	09/27/2001	1635	364	ISIS-4847	133	21	3

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Applicant(s)

Muthiah Manoharan, Carlsbad, CA;

Assignment For Published Patent Application

ISIS Pharmaceuticals, Inc.;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A CON OF 09/349,007 07/07/1999 PAT 6,326,358
WHICH IS A CIP OF 09/115,025 07/14/1998 PAT 6,277,967

Foreign Applications

If Required, Foreign Filing License Granted 01/10/2002

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

C O N T A I N E R

1/18/02

Carbohydrate or 2' -modified oligonucleotides having alternating internucleoside linkages

Preliminary Class

514

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